

FILE NOTATIONS

Entered in NID File
Location Map Pinned
Card Indexed
✓

Checked by Chief
Approval Letter
Disapproval Letter

COMPLETION DATA:

Date Well Completed 10/9/77

Location Inspected

Bond released

State or Fee Land

LOGS FILED

Driller's Log.....

Electric Logs (No.)
✓

E..... I..... Dual I Lat..... GR-N..... Micro.....

BHC Sonic GR..... Lat..... MI-L..... Sonic.....

GRLog..... CCLog..... Others.....

GR-SONIC
CNL-DENSITY
BHC-DENSITY

Lup
11-7-90

Mobil Oil Corporation

THREE GREENWAY PLAZA EAST - SUITE 800
HOUSTON, TEXAS 77046

August 1, 1977

United States Geological Survey (6)
Salt Lake City District
8440 Federal Bldg.
125 South State Street
Salt Lake City, Utah 84111

Attn: Mr. E. W. Gynn

7.01
DRILLING APPLICATION
MOBIL OIL CORPORATION'S
MC CORMICK FEDERAL C, WELL #2
WILDCAT FIELD
GRAND COUNTY, UTAH

Gentlemen:

Mobil Oil Corporation respectfully requests authority to drill the subject well. Six copies of the following items are submitted in support of this request:

1. Form 9-331-C, Application to Drill which includes the Cementing and Mud Programs
2. Diagrammatic sketches of blowout preventer program (attachment to Form 9-331-C)
3. Certified well location plat
4. Multi-point surface use plan which includes:
Topographic Maps A & B
Plat "C" - Typical Cross Section of Access Roads
Plat "D" - Well Site Layout
5. Ten Point Well Control and Resource Protection Data

Should additional information be required, please advise.

Yours very truly,



J. A. Morris
Regulatory Engineering Supervisor

ADBond:to
Attachments
cc: State of Utah (w/2 sets of attach.)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. U-11244	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Mobil Oil Corporation			7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR 3 Greenway Plaza East, Ste. 800, Houston, Texas 77046			8. FARM OR LEASE NAME McCormick Federal C	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1120' 1214' FNL & 1895' FEL Sec. 11, T21S, R22E At proposed prod. zone Same as Surface			9. WELL NO. 2	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*			10. FIELD AND POOL, OR WILDCAT Wildcat	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1214			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 11, T21S, R22E Salt Lake Meridian	
16. NO. OF ACRES IN LEASE 1926.52			12. COUNTY OR PARISH 13. STATE Grand Utah	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. (Different Zone) 769' to #1			17. NO. OF ACRES ASSIGNED TO THIS WELL 10	
19. PROPOSED DEPTH 2700			20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 4707 ft. - ground			22. APPROX. DATE WORK WILL START* As Soon As Possible	

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24# H-40	0 - 1600	(1) Circulate to Surface
7-7/8"	5-1/2"	14# K-55	0 - 2700	(2) Circulate to Surface

CEMENTING PROGRAM

- (1) Class C Cement w/4% Gel Tailed in With 100 sx Neat
(2) Class C Cement w/4% Gel & 2% CaCl₂.

MUD PROGRAM

From	To	Type	Weight	Viscosity	PH	Water Loss
0	1600	Spud	-	-	-	-
0	2700	Fresh Water	8.8	30-60	-	NC
		Gel				

BLOWOUT PREVENTER PROGRAM ATTACHED

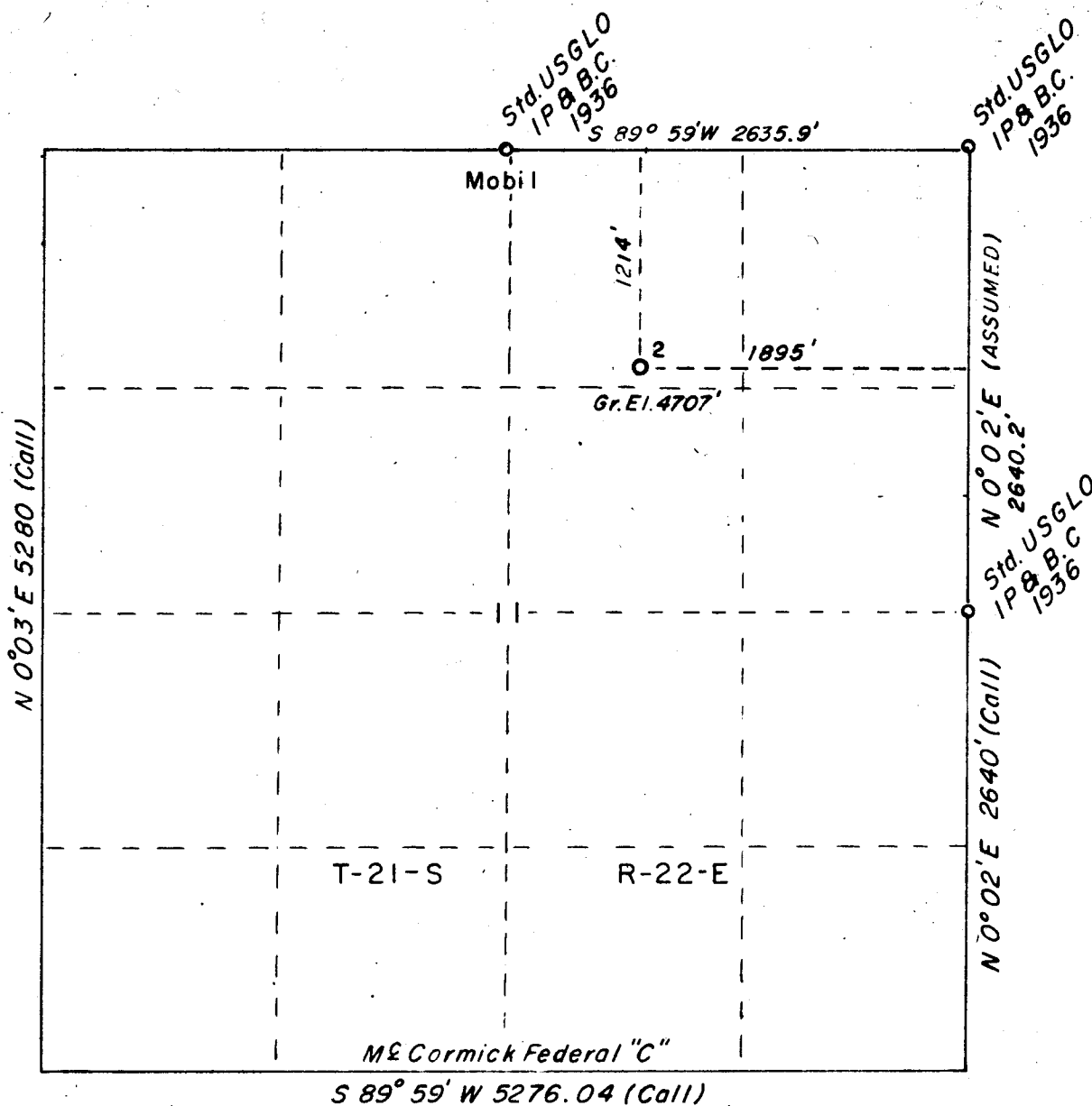
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED <u>A. D. Bond</u> A. D. Bond		Regulatory TITLE <u>Engineering Coordinator</u>		DATE <u>August 1, 1977</u>
(This space for Federal or State office use)				

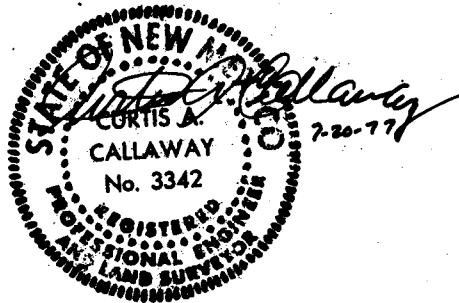
PERMIT NO. _____	APPROVAL DATE _____
APPROVED BY <u>(ORIG. SGD.) E. W. GUYNN</u>	TITLE <u>DISTRICT ENGINEER</u>
CONDITIONS OF APPROVAL, IF ANY:	DATE <u>SEP 21 1977</u>

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THE DRAWING AND ANY COPIES THEREON (PARTIAL
OR COMPLETE) SHALL BE RETURNED TO THE OWNER
ON DEMAND.



I, Curtis A. Callaway, P.E. & L.S., do hereby
Certify that this plat truly and correctly represents an actual Survey
made on the ground under my supervision, and that all objects
natural and artificial are shown as they exist on the ground this
15 day of July, 1977



NO.	DATE	BY
M&Cormick Federal "C" Well #2 SEC. 11, T 21 S, R 22 SALT LAKE MERIDIAN GRAND COUNTY, UTAH		
Mobil Oil Corporation Houston E & P Division		
DRAWN J.V.N.	SCALE 1"=1000'	DWG. NO.
CHECKED GAC	DATE 7-15-77	A

PROPOSED BOP STACK
8-5/8 " CASING

Bell Nipple

Flowline

8 " Flange

BOP w/ Blank Rams
2000 psi WP

BOP w/ Pipe Rams
2000 psi WP

All Valves
2000 psi WP

Kill Line 2 " 2000psi WP

8 " 2000 psi WP
 Flange

MOBIL OIL CORPORATION
 WELL McCormick-Federal "C" #2
Grand COUNTY,
Utah

MOBIL OIL CORPORATION

SURFACE USE PLAN
MCCORMICK FEDERAL "C" WELL #2

SECTION 11, T-21S, R-22E
SALT LAKE MERIDAN

GRAND COUNTY, UTAH

MCCORMICK FEDERAL "C" WELL #2
SURFACE USE PLAN

1. EXISTING ROADS (See attached topographic map "A")

An existing 20' wide gravel surfaced county road will be utilized to reach an existing lease road at the McCormick Federal Lease. This road leaves U. S. Highway 50 at a point about 3.8 miles west of Cisco, Utah and 5.3 miles from the McCormick Federal "C" lease. The road serves the Cunningham Ranch Headquarters and contains gentle slopes (1-2%) for the entire 5.3 miles except for about 0.3 miles of 6-8% grade at a point about 4 miles from Highway 50.

The existing lease road provides access from the above county road to Mobil's McCormick Federal #1 and contains a maximum slope of about 8%. The planned access road to Well #2 branches off this lease road at a point about 0.2 miles from the county road.

2. PLANNED ACCESS ROADS (See attached topographic Map "B" & Cross Section Plat "C")

The proposed road to the location will be a crowned 18' wide surface with a borrow ditch (12" minimum depth) on each side and is 0.1 mile long from the existing lease road to the location. The road has a gentle slope of approximately 2%.

Native material (sandy clay and alluvial material) will be graded, watered and compacted for the road surface. Only nominal cuts and fills will be required. The area of the road is void of any timber, contains sparse grass, sparse sage and greasewood underbrush; sandy clay soil, and can be described as rolling desert land with numerous small washes draining southeasterly into Nash Wash. The land is presently used for sparse sheep and cattle grazing.

3. LOCATION OF EXISTING WELLS

See topographic map "B" for all known wells within a radius of 2 miles from the location.

4. LOCATION OF TANK BATTERIES, PRODUCTION FACILITIES, AND PRODUCTION GATHERING AND SERVICE LINES

No production facilities exist within a one mile radius of the proposed location at this time. When and if production is established, detailed plans of the proposed facilities will be submitted for approval.

A 2" steel gas fuel line will be laid alongside the new road to connect the existing gas line, (presently serving Well #1) to the #2 well site. This line will be laid on top of the ground.

5. LOCATION AND TYPE OF WATER SUPPLY (See Topographic Map "B")

Water for drilling purposes will be obtained from the existing small reservoir on Nash Wash presently being utilized for drilling water for Well #1. The existing pipeline to #1 will be extended to serve the #2 location utilizing a 2" steel pipeline laid on top of the ground.

6. SOURCE OF SURFACING MATERIALS

No surfacing materials will be required for this project.

7. METHODS OF HANDLING WASTE DISPOSAL

All garbage and trash will be burned when possible. That portion that cannot be burned will be accumulated and stored in a trash pit fenced with small mesh wire as shown on the Well Site Layout Plat "D". After drilling operations cease, the well site will be cleaned and all garbage and trash collected and buried with a minimum of 4' cover.

Septic tanks and portable chemical toilets will be cleaned periodically and that sewage hauled to Moab for disposal.

8. ANCILLARY FACILITIES

No ancillary facilities are planned for this location at this time.

9. WELL SITE LAYOUT (See Plat "D")

The well site will be constructed as per attached Plant "D" with the reserve pit and burn pit fenced as shown. The BLM Area Resource Manager will be notified prior to commencing construction.

10. PLANS FOR RESTORATION OF THE SURFACE

When all drilling and production activities have been completed, the location site and access roads will be reshaped to the original contour. The reserve pit and burn pit shall be filled and shaped to the original contour after pits have dried sufficiently to permit operation of earth moving equipment. After restoration activities have been completed, the location site and access road shall be reseeded with a seed mixture and soil

additives as recommended by the BLM representative.

Restoration activities shall begin within 90 days after drilling and production activities cease; and shall be completed within 30 days from that date. The lessee further covenants and agrees that all cleanup and restoration activities shall be performed in a workmanlike manner and in strict conformity with this Surface Use Plan.

11. OTHER INFORMATION

The general area is semi-desert land of rolling hills broken by numerous small washes draining into Nash Wash, which is an intermittent stream flowing southeasterly into the Colorado River. The small intermittent streams provide the only water in the area. The water is very alkaline with 1836 mg/liter sulfates and 1460 mg/liter total hardness, not fit for human consumption, but is used for cattle and sheep.

The well site is located on a gentle southwest slope about 200' east of a 50' deep wash draining southerly. General drainage in the area is to the southeast.

The nearest potable water in the area is at the Cunningham Ranch located about 9 miles northwest of the location site at the foot of the Book Cliffs. The Cunningham Ranch water source is a spring located on top of the Book Cliffs.

The soil is a deep heavy sandy to gravelly clay which is alkaline in nature. No timber is found in the area and scant under-brush of shadscale, greasewood, and white sage brush is present. A native grass is present, but very sparse. There are a few wild-life present in the area, consisting of deer, coyote, rabbit, and a variety of ground squirrels, snakes, and lizards.

Most of the surface in the area is federally owned with grazing leases to William Cunningham and J. Golden Bear. The poor grazing land is sparsely grazed by cattle (Cunningham) and sheep (Golden Bear).

The nearest occupied dwelling is 9 miles northwest at the Cunningham Ranch Headquarters. There are no known archaeological, historical, or cultural sites in the area.

July 19, 1977


12. LESSEE'S OR OPERATOR'S REPRESENTATIVE

Glen W. Barb
Mobil Oil Corporation
P. O. Box 633
Midland, TX 79702

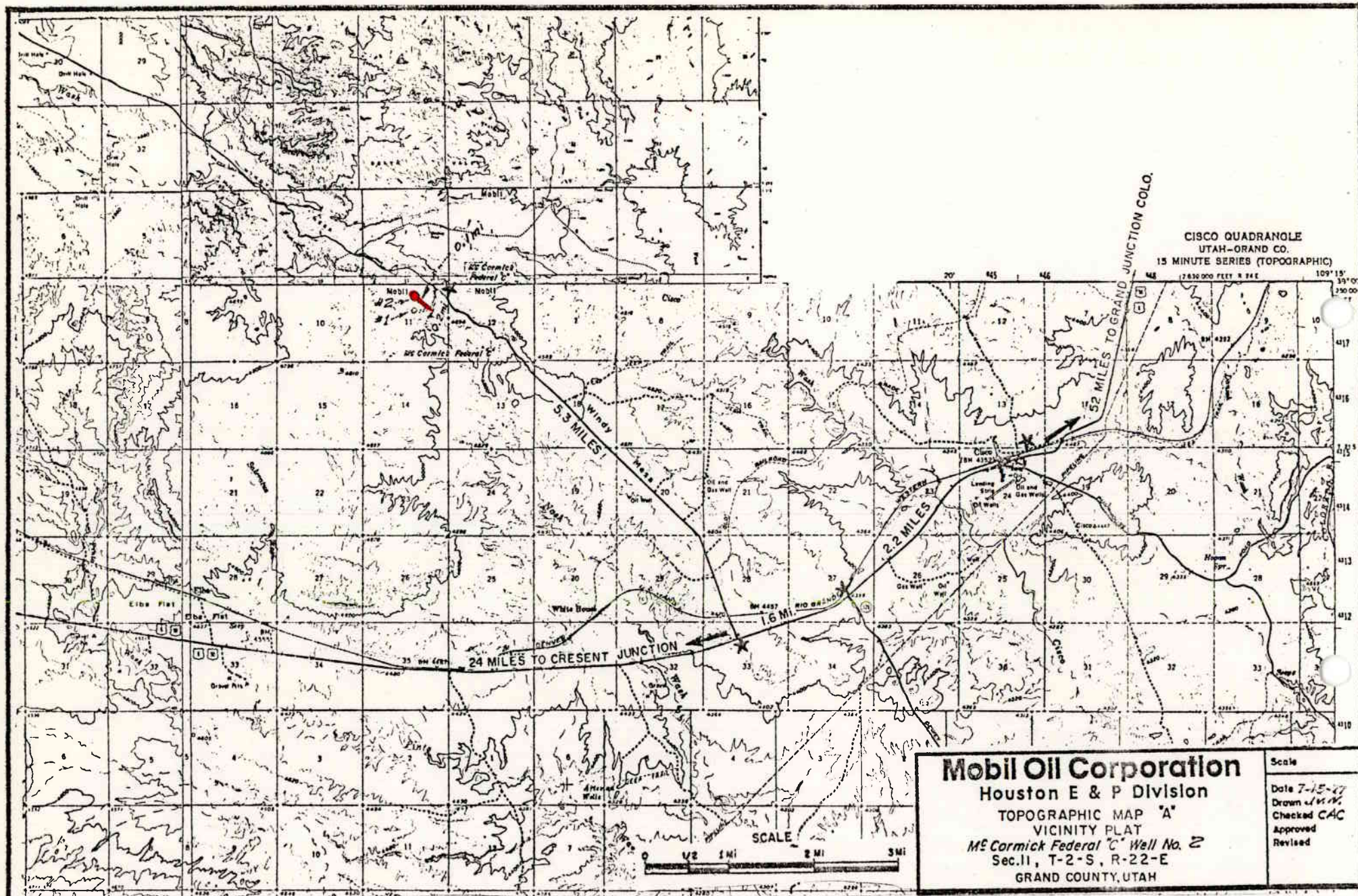
Telephone - 915-684-8211

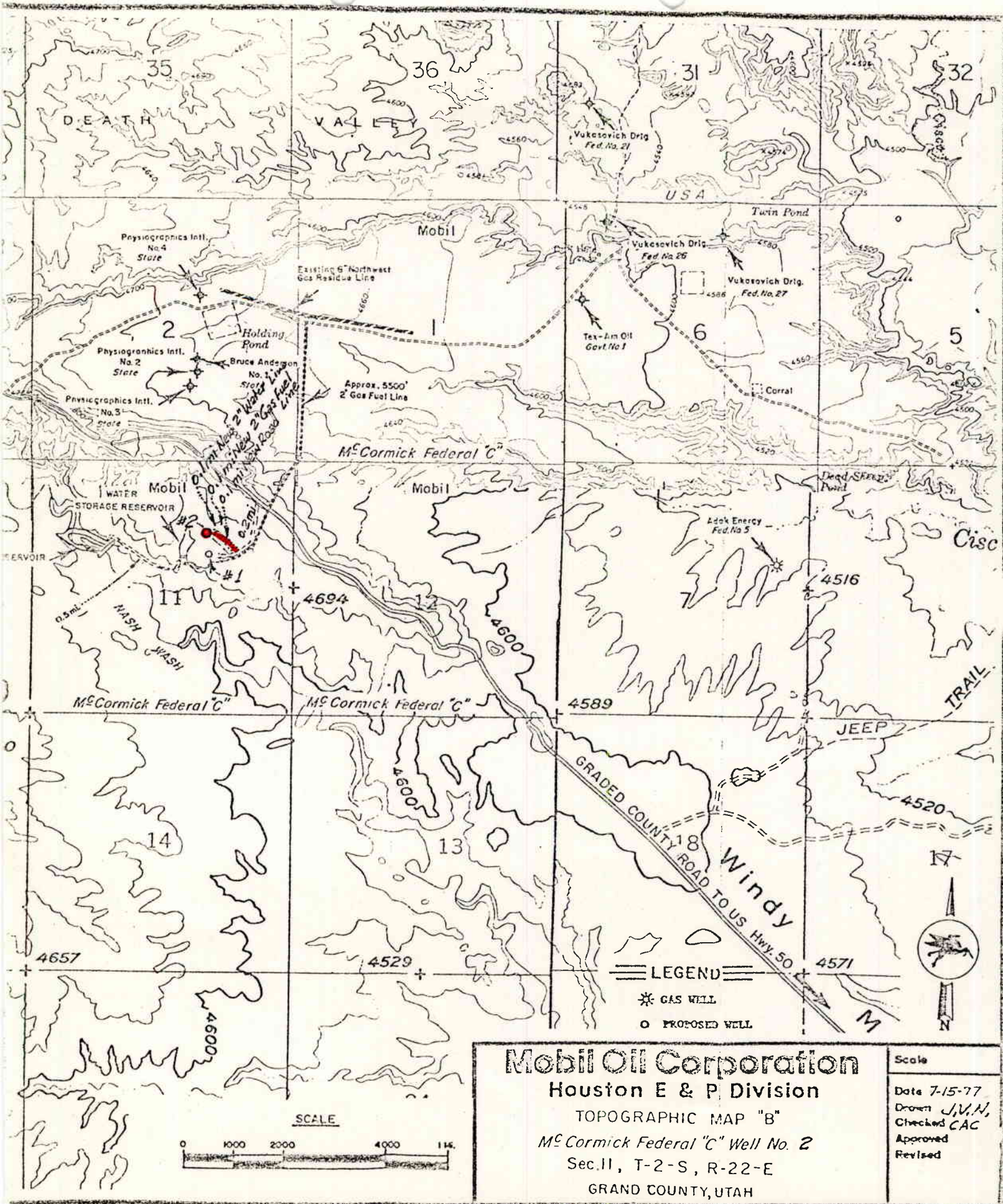
13. CERTIFICATION

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by a reliable contractor in conformity with this plan and the terms and conditions under which it is approved.


Glen W. Barb
Operations Superintendent

CACallaway/tb
Attachments





Mobil Oil Corporation

Houston E & P Division

TOPOGRAPHIC MAP "B"

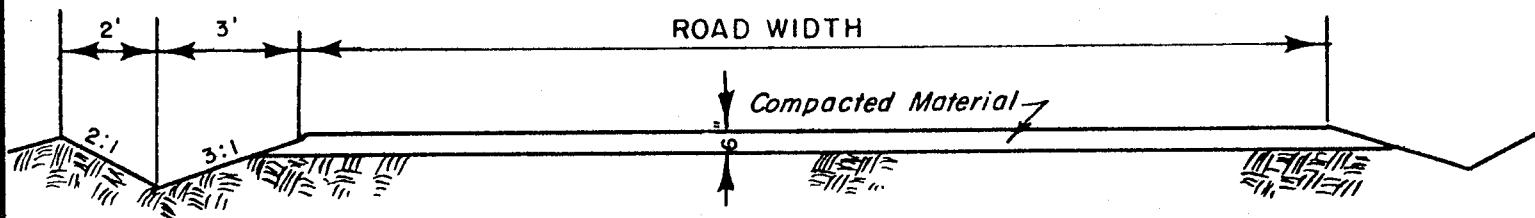
McCormick Federal "C" Well No. 2

Sec. 11, T-2-S, R-22-E

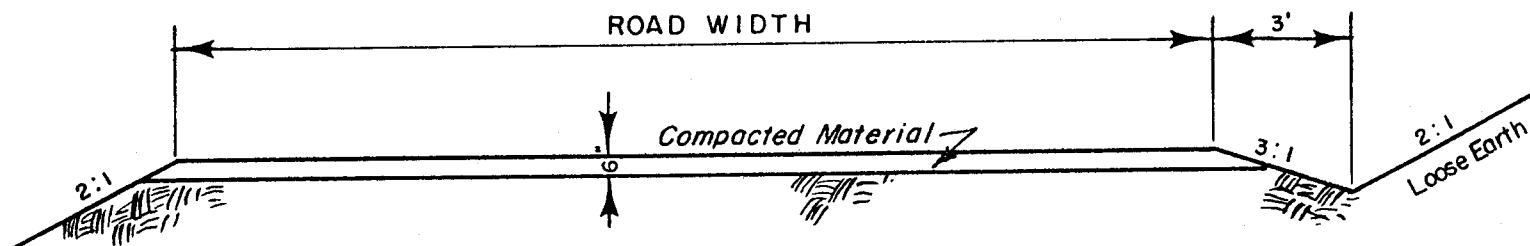
GRAND COUNTY, UTAH

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TYPICAL FLAT LAND SECTION



TYPICAL SIDE HILL SECTION

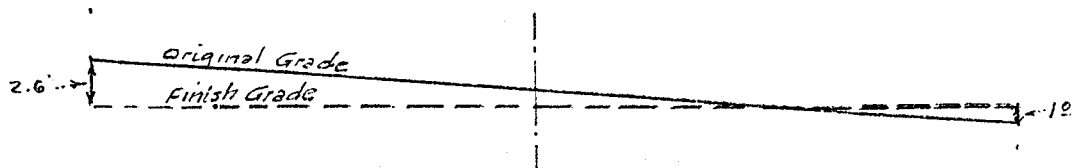
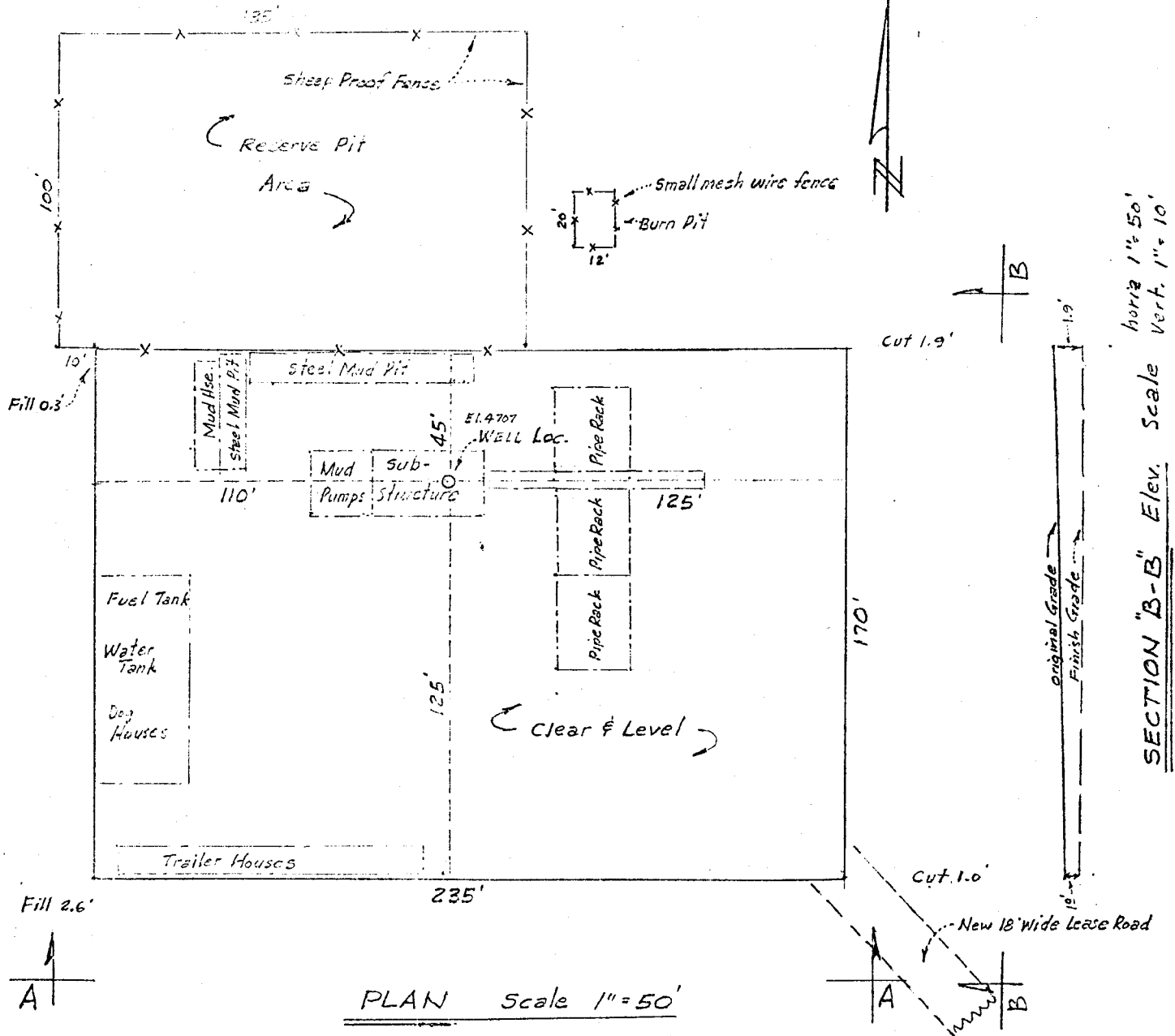
NO.	DATE	BY		
PLAT "C"				
ACCESS ROADS				
TYPICAL CROSS SECTION				
Mobil Oil Corporation				
Houston E & P Division				
DRAWN J.V.N.		SCALE 1" = 4'-0"		DWG. NO.
CHECKED C.A.		DATE 11-11-76		A

FOR _____

JOB OR AUTH. No. _____

LOCATION McGinnick Federal "C" #2

PAGE _____

SUBJECT PLAT "D" - WELL SITE LAYOUTDATE 7-15-77BY Callaway

SECTION A-A Elev. Scale: horiz 1"=50'
vertical 1"=10'

horiz 1"=50'
 vert. 1"=10'

SECTION B-B Elev. Scale

STATE OF UTAH
DIVISION OF OIL, GAS, AND MINING

** FILE NOTATIONS **

Date: Aug. 8-
Operator: Mobile Oil Corp.
Well No: McCormick Prod. "C" #2
Location: Sec. 11 T. 21S R. 22E County: Grand

File Prepared ☒ Entered on N.I.D. ☒
Card Indexed ☒ Completion Sheet ☒

CHECKED BY:

Administrative Assistant [Signature]
Remarks: #1 - NESWHE, (Shallaker pool #2)
Petroleum Engineer [Signature] OK. on Topo.
Remarks: [Signature]
Director [Signature]
Remarks:

INCLUDE WITHIN APPROVAL LETTER:

Bond Required ☒ Survey Plat Required ☐
Order No. 102-8 ☒ Surface Casing Change ☐
to _____

Rule C-3(c), Topographic exception/company owns or controls acreage
within a 660' radius of proposed site ☒

O.K. Rule C-3 ☐ O.K. In _____ Unit ☐

Other:

☒ Letter Written/Approved

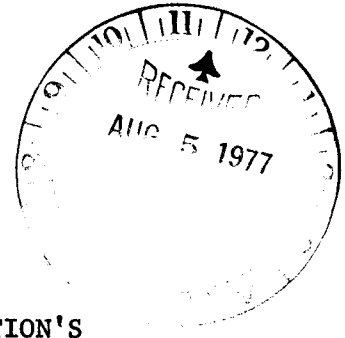
Mobil Oil Corporation

THREE GREENWAY PLAZA EAST - SUITE 800
HOUSTON, TEXAS 77046

August 2, 1977

State of Utah
Department of Natural Resources
Division of Oil, Gas & Mining
1588 West North Temple
Salt Lake City, Utah 84116

Attn: Patrick L. Driscoll



7.01
MOBIL OIL CORPORATION'S
MC CORMICK FEDERAL C, WELL #2
WILDCAT FIELD
GRAND COUNTY, UTAH

Gentlemen:

Attached are two sets of our application to drill the subject well. Permission is requested to drill this well at a location 1214' from the north line and 1895' from the east line of Sec. 11, T21S, R22E, Grand County, Utah. This location is also shown on enclosed plats and forms.

This well is proposed at this particular site because of terrain and to minimize additional road construction. Also, this well can share some of the facilities used by Well #1.

Should additional information concerning this matter be required, please advise.

Yours very truly,

A handwritten signature in cursive script, appearing to read 'J. A. Morris'.

J. A. Morris
Regulatory Engineering Supervisor

ADBond:to
Attachments

Handwritten: 0-36
102-8

August 8, 1977

Mobil Oil Corporation
Five Greenway Plaza East
Suite 800
Houston, Texas 77046

Re: Well No. McCormick Fed. "C" #2
Sec. 11, T. 21 S, R. 22 E,
Grand County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to well is hereby granted in accordance with the Order issued in Cause No. 102-8/Rule C-3(c), General Rules and Regulations and Rules of Practice and Procedure.

However, it should be noted that said approval shall be conditional upon the above well being completed above those zones producing in the McCormick Federal "C" #1 well located in the same Section.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to notify this office immediately by calling:

PATRICK L. DRISCOLL - Chief Petroleum Engineer
HOME: 582-7247
OFFICE: 533-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling.

Further, it is requested that you notify this Division within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-019-30389.

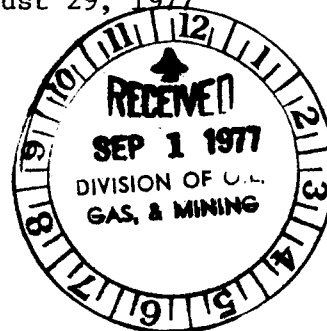
Very truly yours,

CLEON B. FEIGHT
Director

Mobil Oil Corporation

THREE GREENWAY PLAZA EAST - SUITE 800
HOUSTON, TEXAS 77046

August 29, 1977



United States Geological Survey (6)
Salt Lake City District
8440 Federal Bldg.
125 South State Street
Salt Lake City, Utah 84111

Attn: Mr. E. W. Guynn

7.01

REVISED LOCATION
MOBIL OIL CORPORATION's
MC CORMICK FEDERAL C, WELL #2
WILDCAT FIELD
GRAND COUNTY, UTAH

Gentlemen:

The subject well has been re-located 94' north of the original location to conform to federal spacing requirements. Six copies of the following items showing the new well site are attached:

1. Form 9-331 "Sundry Notices and Reports"
2. Certified well location plat.

Should additional information be required, please advise.

Yours very truly,

J. A. Morris
Regulatory Engineering
Supervisor

ADBond/dah
Attachments
cc: State of Utah (W/2 Sets of Attach.)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☐ gas well ☒ other
2. NAME OF OPERATOR
Mobil Oil Corporation
3. ADDRESS OF OPERATOR 77046
3 Greenway Plaza E-Suite 800, Houston, Tx
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1120' FNL & 1895' FEL of Sec. 11
AT TOP PROD. INTERVAL: Same as Surface
AT TOTAL DEPTH: "
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES <input type="checkbox"/>	<input type="checkbox"/>
ABANDON* <input type="checkbox"/>	<input type="checkbox"/>
(other) Change Location	

5. LEASE
U-11244
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
McCormick Federal C
9. WELL NO.
2
10. FIELD OR WILDCAT NAME
Wildcat
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 11, T21S, R22E
Salt Lake Meridian
12. COUNTY OR PARISH
Grand
13. STATE
Utah
14. API NO.
43-019-30389
15. ELEVATIONS (SHOW DF, KDB, AND WD)
4707' - Ground

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Location of this proposed well moved 94' North at the request of the USGU to conform to Federal Spacing Rule

Certified Survey Plat Attached

APPROVED BY THE DIVISION OF
OIL, GAS, AND MINING

DATE: Sept 2, 1977

BY: P. L. Marshall

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

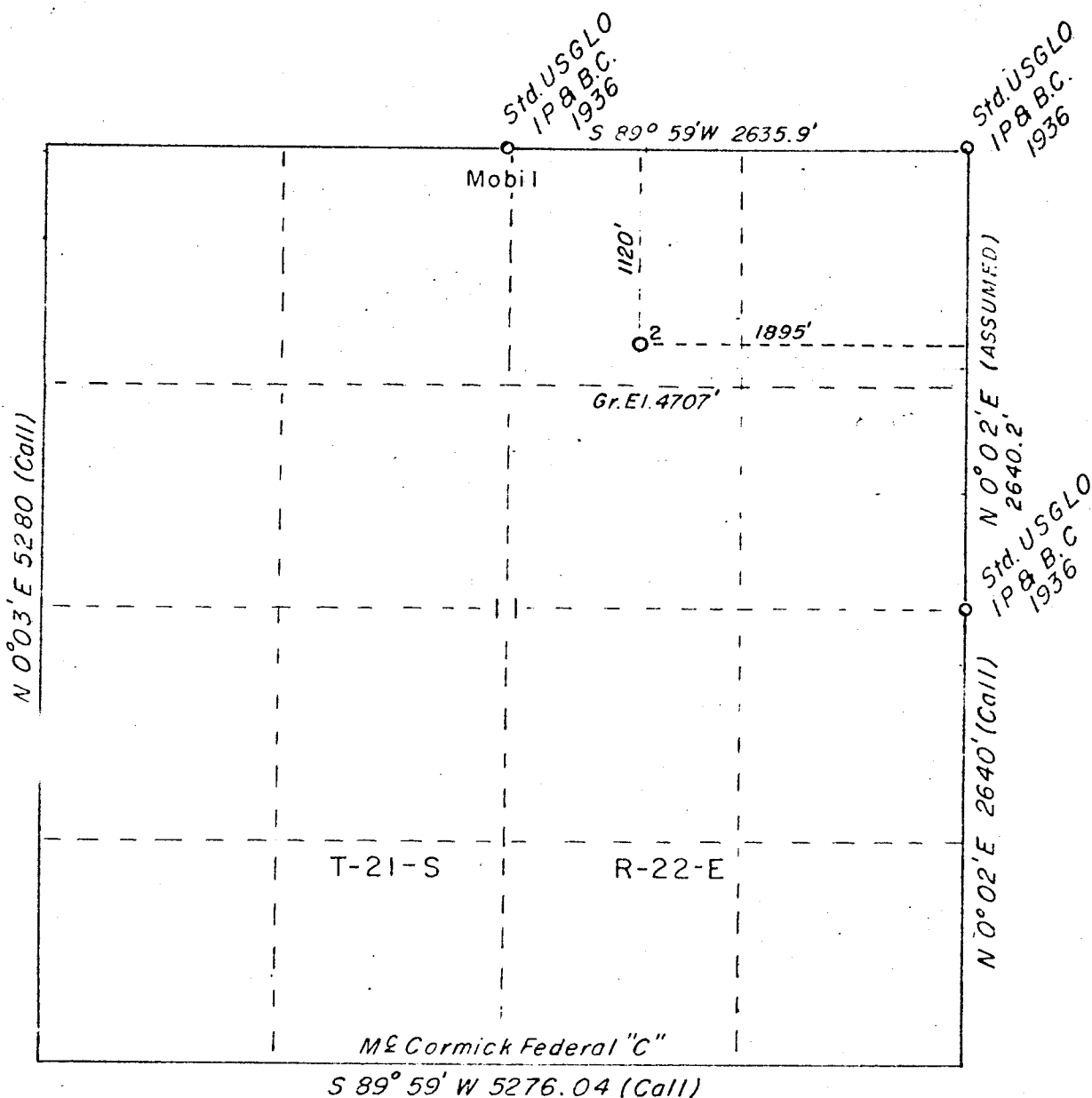
SIGNED A.D. Bond A.D. Bond TITLE Regulatory Engr. Co DATE August 29, 1977

(This space for Federal or State office use)

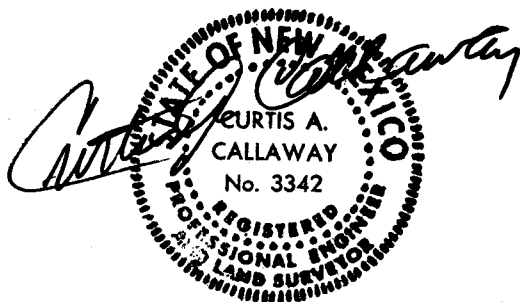
APPROVED BY _____ TITLE _____ DATE _____
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I, Curtis A. Callaway, P.E. & L.S., do hereby
Certify that this plat truly and correctly represents an actual Survey
made on the ground under my supervision, and that all objects
natural and artificial are shown as they exist on the ground this
15 day of July, 1977



NO.	DATE	BY	Revised 8/26/77
M & Cormick Federal "C" Well #2 SEC. II, T 21 S, R 22 SALT LAKE MERIDAN GRAND COUNTY, UTAH			
Mobil Oil Corporation Houston E & P Division			
DRAWN J.V.N.		DWG. NO.	
CHECKED GAG		A	
DATE 7-15-77		SCALE 1"=1000'	

U.S. GEOLOGICAL SURVEY, CONSERVATION DIVISION

FROM: DISTRICT GEOLOGIST, SALT LAKE CITY, UTAH
TO: DISTRICT ENGINEER, SALT LAKE CITY, UTAH

Well	Location	Lease No.
MOBIL OIL CORPORATION # 2	1214' FNL & 1895' FEL (NW 1/4 NE 1/4) SEC. 11, T. 21S, R. 22E, SLA GRAND COUNTY, UTAH GLEI 4707	U-11244
<p>1. Stratigraphy and Potential Oil and Gas Horizons. Gravel deposits (Terrace and pediment) overlie Mancos shale at this location. Bruce Anderson & Thomas Strook #1 (G.E.I. 4680') in nearby section 2, same township, reported the following tops: Dakota 1538', Cedar Mountain 1607', Brushy Basin 1670', Salt Wash 2025', Entrada 2306'. Estimated tops by operator are reasonable.</p> <p>2. Fresh Water Sands. Gravel deposits above Mancos shale bedrock could contain fresh water. Noable water may occur in anomalous sand lenses in the Mancos. The Dakota Formation probably contains saline water in this area.</p> <p>3. Other Mineral Bearing Formations. (Coal, Oil Shale, Potash, Etc.) Within area considered valuable prospectively for geothermal resource. Land is also considered valuable prospectively for coal but Mancos coals are generally marginal. Fisher says coals below Mancos in this area have no commercial value.</p> <p>4. Possible Lost Circulation Zones. Unknown.</p> <p>5. Other Horizons Which May Need Special Mud, Casing, or Cementing Programs. Protect any usable aquifers penetrated. (Note) If drilling mud temperatures increase rapidly test may have encountered possible hot artesian flow. If temperatures exceed 120°F/50°C or a temperature deemed critical by District Engineer drilling should cease and the mud should be monitored continuously as further drilling could affect geothermal resource area.</p> <p>6. Possible Abnormal Pressure Zones and Temperature Gradients. No abnormal pressures, temperatures, or hazardous gases are expected to be encountered by operator, however this test falls in a geothermal area and high temperatures could occur.</p> <p>7. Competency of Beds at Proposed Casing Setting Points. Gravel deposits and weathered shale will be cased off.</p> <p>8. Additional Logs or Samples Needed. Drilling mud temperatures should be monitored because test falls within a geothermal area.</p> <p>9. References and Remarks 2 1/2 mile radius of KGS. USGS Bull. 852, Fisher</p>		
Date: AUG 9 - 1977	Signed: REG	

Rept of NATCON State Office

MOBIL OIL CORPORATION'S
MC CORMICK FEDERAL C, WELL #2
WILDCAT FIELD
GRAND COUNTY, UTAH

Ten Point Well Control & Resource Protection Data

1. The geological name of the surface formation is Mancos.
2. Estimated tops of other important geological formations are:
 - *Dakota - 1575'
 - *Buckhorn - 1640'
 - *Morrison - 1700'
 - *Salt Wash - 2100'
 - Summerville - 2150'
 - *Entrada - 2340'
3. The estimated depths at which anticipated water, oil, gas or other mineral-bearing formations are expected to be encountered:
 - a. All the above formations except the Mancos could carry water, oil and gas.
 - b. Those marked with asterisk (*) are the most probable oil and gas zones.
 - c. There are several shallow oil and gas fields (1000' to 2000' depth) in the near vicinity. No water production is reported from these zones in the Petroleum Information Report.
 - d. Water tests are rare, as indicated by a review of completion tickets in a six to nine mile radius of the proposed drill site.
4. New pipe will be used to drill this well; the grade, size and weight-per-foot is shown on Form 9-331-C, previously submitted.
5. The blow-out preventer program is identified in the permit application by diagrammatic sketch.
6. The type and characteristics of the drilling mud proposed are identified on the permit application. A sufficient quantity of mud and chemicals will be maintained at the well site to meet anticipated normal conditions, recognizing the time required to replenish supplies from local warehouses.
7. The auxiliary equipment to be used will include: (1) kelly cock; (2) monitoring equipment of the mud system, including a pit level indicator and a gas detector (logging unit); and (3) a sub with a full opening valve. We do not believe we will have need for a float at the bit on this unit.

8. Logging, Testing & Coring

Logging -

<u>Type of Log</u>	<u>Depth</u>
Dual Laterolog	Surface to T.D.
GR - Acoustic	Surface to T.D.
FDC/CNL	1000' to T.D.

Testing - Fluid Production

<u>Formation</u>	<u>Depth</u>
Buckhorn	1600' - 1700'
Salt Wash	2000' - 2100'
Entrada	2300' - 2400'

No coring is planned.

9. No abnormal pressures, temperatures, or hazardous gases are expected to be encountered; however, prudent drilling operations will be exercised to guard against such hazards.
10. It is anticipated that all necessary approvals will be obtained in order that drilling operations can commence by September 1, 1977. The duration of operations is expected to last 20 days.

(3) WILDLIFE: ☐ DEER ☒ ANTELOPE ☐ ELK ☐ BEAR ☒ SMALL
MAMMAL ☒ BIRDS ☐ ENDANGERED SPECIES ☐ OTHER _____

(4) LAND USE: ☒ RECREATION ☒ LIVESTOCK GRAZING ☐ AGRICULTURE
☐ MINING ☐ INDUSTRIAL ☐ RESIDENTIAL ☒ OIL & GAS OPERATIONS

REF: BLM UMBRELLA EAR
USES EAR

*Oil and Gas Leasing Program
E.A.R. Grand Resources Area, Aug 13, 1973*

~~OTHER ENVIRONMENTAL ANALYSTS~~

3. Effects on Environment by Proposed Action (potential impact)

1) EXHAUST EMISSIONS FROM THE DRILLING RIG POWER UNITS AND SUPPORT TRAFFIC
ENGINES WOULD ADD MINOR POLLUTION TO THE ATMOSPHERE IN THE LOCAL VICINITY.

2) MINOR INDUCED AND ACCELERATED EROSION POTENTIAL DUE TO SURFACE
DISTURBANCE AND SUPPORT TRAFFIC USE.

3) MINOR VISUAL IMPACTS FOR A SHORT TERM DUE TO OPERATIONAL EQUIPMENT AND
SURFACE DISTURBANCE.

4) TEMPORARY DISTURBANCE OF WILDLIFE AND LIVESTOCK.

5) MINOR DISTRACTION FROM AESTHETICS FOR SHORT TERM.

6)

SALT LAKE CITY, UTAH

AUG 31 1973

CONVEYED
SALT LAKE CITY, UTAH

EIA NO. 1667

DATE 8-25-77

LEASE # 11-11244

WELL NO. 2

LOC. $\frac{1}{4}$ NW $\frac{1}{4}$ NE SEC. 11

T. 215 R. 22E

COUNTY Grand STATE LA

FIELD *Wildcat*USGS *Cook*

BLM Shirley Green

REP: Cabaway

DIR:
2. ENLARGEMENT

☐ MINOR IMPACTS
☐ NO IMPACT

☒ MINOR IMPACT☒ MAJOR IMPACT

Construction	Pollution	Drilling Production	Transport Operations	Accidents	Others
Roads, bridges, airports					
Transmission lines, pipelines					
Dams & impoundments					
Others (pump stations, compressor stations, etc.)					
Burning, noise, junk disposal					
Liquid effluent discharge					
Subsurface disposal					
Others (toxic gases, noxious gas, etc.)					
Well drilling					
Fluid removal (Prod. wells, facilities)					
Secondary Recovery					
Noise or obstruction of scenic views					
Mineral processing (ext. facilities)					
Others					
Trucks					
Pipelines					
Others					
Spills and leaks					
Operational failure					

[illegible]

EIA NO. 667LEASE U-11244 DATE 8-25-27WELL NO. 2LOCATION: NW 1/4 NE 1/4, SEC. 11, T. 21S, R. 22E,FIELD Wildcat COUNTY Grand STATE Utah

ENVIRONMENTAL IMPACT ANALYSIS - ATTACHMENT 2-B

I. PROPOSED ACTIONMobil Oil Corp.
(COMPANY)

PROPOSES TO DRILL AN OIL AND

GAS TEST WELL WITH ROTARY TOOLS TO ABOUT 2700 FT. TD. 2) TO CONSTRUCT ADRILL PAD 170 FT. X 235 FT. AND A RESERVE PIT 100 FT. X 135 FT.3) TO CONSTRUCT 18 FT. WIDE X0.1 MILES ACCESS ROAD AND UPGRADEFT. WIDE X MILES ACCESS ROAD FROM AN EXISTING AND IMPROVED ROAD. TO CONSTRUCT☒ GAS ☐ OIL PRODUCTION FACILITIES ON THE DISTURBED AREA FOR THE DRILL PADAND ☐ TRUCK ☐ TRANSPORT THE PRODUCTION THROUGH A PIPELINE TO A TIE-IN INSECTION , T. , R. 2. LOCATION AND NATURAL SETTING (EXISTING ENVIRONMENTAL SITUATION).(I) TOPOGRAPHY: ☒ ROLLING HILLS ☐ DISSECTED TOPOGRAPHY ☐ DESSERT
OR PLAINS ☐ STEEP CANYON SIDES ☐ NARROW CANYON FLOORS ☐ DEEP DRAINAGE
IN AREA ☐ SURFACE WATER (2) VEGETATION: ☐ SAGEBRUSH ☐ PINION-JUNIPER ☐ PINE/FIR ☐ FARMLAND
(CULTIVATED) ☒ NATIVE GRASSES ☒ OTHER Salt brush

(3) WILDLIFE: ☐ DEER ☒ ANTELOPE ☐ ELK ☐ BEAR ☒ SMALL
MAMMAL ☒ BIRDS ☐ ENDANGERED SPECIES ☐ OTHER _____

(4) LAND USE: ☒ RECREATION ☒ LIVESTOCK GRAZING ☐ AGRICULTURE
☐ MINING ☐ INDUSTRIAL ☐ RESIDENTIAL ☒ OIL & GAS OPERATIONS

REF: BLM UMBRELLA EAR
~~USES EAR~~

~~OTHER ENVIRONMENTAL ANALYSTS~~

*Oil and Gas Leasing Program
E.A.R. Grand Resources Area, Aug 13, 1973*

3. Effects on Environment by Proposed Action (potential impact)

1) EXHAUST EMISSIONS FROM THE DRILLING RIG POWER UNITS AND SUPPORT TRAFFIC
ENGINES WOULD ADD MINOR POLLUTION TO THE ATMOSPHERE IN THE LOCAL VICINITY.

2) MINOR INDUCED AND ACCELERATED EROSION POTENTIAL DUE TO SURFACE
DISTURBANCE AND SUPPORT TRAFFIC USE.

3) MINOR VISUAL IMPACTS FOR A SHORT TERM DUE TO OPERATIONAL EQUIPMENT AND
SURFACE DISTURBANCE.

4) TEMPORARY DISTURBANCE OF WILDLIFE AND LIVESTOCK.

5) MINOR DISTRACTION FROM AESTHETICS FOR SHORT TERM.

6)

SALT LAKE CITY, UTAH

AUG 31 1973

RECEIVED
SALT LAKE CITY, UTAH

4. Alternatives to the Proposed Action

1) NOT APPROVING THE PROPOSED PERMIT -- THE OIL AND GAS LEASE GRANTS THE LESSEE EXCLUSIVE RIGHT TO DRILL FOR, MINE, EXTRACT, REMOVE AND DISPOSE OF ALL OIL AND GAS DEPOSITS.

2) DENY THE PROPOSED PERMIT AND SUGGEST AN ALTERNATE LOCATION TO MINIMIZE ENVIRONMENTAL IMPACTS. NO ALTERNATE LOCATION ON THIS LEASE WOULD JUSTIFY THIS ACTION.

3) LOCATION WAS MOVED 106 ft North TO AVOID
☐ LARGE SIDEHILL CUTS ☐ NATURAL DRAINAGE ☐ OTHER

To avoid being too close to subdivision line
4)

5. Adverse Environmental Effects Which Cannot Be Avoided

1) MINOR AIR POLLUTION DUE TO EXHAUST EMISSIONS FROM RIG ENGINES AND SUPPORT TRAFFIC ENGINES.

2) MINOR INDUCED AND ACCELERATED EROSION POTENTIAL DUE TO SURFACE DISTURBANCE AND SUPPORT TRAFFIC USE.

3) MINOR AND TEMPORARY DISTURBANCE OF WILDLIFE.

4) TEMPORARY DISTURBANCE OF LIVESTOCK.

5) MINOR AND SHORT-TERM VISUAL IMPACTS.

6)

6. DETERMINATION:

(THIS REQUESTED ACTION ~~(DOES)~~ (DOES NOT) CONSTITUTE A MAJOR FEDERAL ACTION SIGNIFICANTLY AFFECTING THE ENVIRONMENT IN THE SENSE OF NEPA, SECTION 102(2) (C).

DATE INSPECTED 8-25-77

INSPECTOR L.H. Cook

E. L. Langer

U. S. GEOLOGICAL SURVEY
CONSERVATION DIVISION - OIL & GAS OPERATIONS
SALT LAKE CITY DISTRICT

CIRCULATE TO:

DIRECTOR _____
PETROLEUM ENGINEER _____
MINE COORDINATOR _____
ADMINISTRATIVE ASSISTANT _____
ALL _____
RETURN TO *Kathy Wells*
FOR FILING

September 28, 1977

Memo To File:

Re: Mobil Oil Corporation
McCormick Federal C-#2
Sec. 11, T. 21S, R. 22E, NW NE,
Grand County, Utah

Mobil Oil Company informed this office September 27, 1977, that they would spud the above well @ approximately 6 P.M. Colorado Well Servicing Co. will be the drilling contractor and Rig #88 will be used.

PLD
PATRICK L. DRISCOLL
CHIEF PETROLEUM ENGINEER

PLD/ko

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE _____
LEASE NUMBER _____
UNIT _____

LESSEE'S MONTHLY REPORT OF OPERATIONS

State UTAH County GRAND Field UNDESIGNATED

The following is a correct report of operations and production (including drilling and producing wells) for the month of SEPT., 1977.

Agent's address 3 GREENWAY PLAZA EAST Company MOBIL OIL CORPORATION

SUITE 800, HOUSTON, TX 77046 Signed [Signature]

Phone 713/626-8800 Agent's title REGULATORY ENGINEERING SUPERVISOR

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (in thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (if none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
NW NE SEC. 11	21S	22E	2		MC CORMICK		FEDERAL 'C' LEASE			
INITIAL REPORT.										
1. WELL SPUD 6:30 PM 9-27-77										
2. ON 9-30-77 DRILLING 12 1/4" HOLE @ 937'										

NOTE.—There were 0 runs or sales of oil; 0 M cu. ft. of gas sold;

0 runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

CIRCULATE TO:

DIRECTOR _____
PETROLEUM ENGINEER _____
MINE COORDINATOR _____
ADMINISTRATIVE ASSISTANT _____
ALL _____
RETURN TO Kathy Wells
FOR FILING

October 12, 1977


Memo To File:

Re: Mobil Oil Company
McCormick Federal "C" #2
Sec. 11, T. 21S, R. 22E, NW NE,
Grand County, Utah

As of October 10, 1977 Mobil Oil Co. has received permission to plug and abandon the above well.

The Entrada formation was covered by a 50 sack plug. The surface pipe, set @ 1550', had a 50 sack plug half-in and half-out.

A 10 sack plug is to be set @ the surface and a regulation dry hole marker will be set.


PATRICK L. DRISCOLL
CHIEF PETROLEUM ENGINEER

PLD/ko

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☐ gas well ☒ other ☐
2. NAME OF OPERATOR
Mobil Oil Corporation
3. ADDRESS OF OPERATOR 77046
3 Greenway Plaza East, Suite 800, Houston, TX
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1120' FNL & 1895' FEL of Sec. 11
AT TOP PROD. INTERVAL: }
AT TOTAL DEPTH: } Same as surface
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(other)	<input type="checkbox"/>	<input type="checkbox"/>

5. LEASE
U-11244
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
McCormick Federal C
9. WELL NO.
2
10. FIELD OR WILDCAT NAME
Wildcat
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Salt Lake Meridian
Sec. 11, T21S, R22E,
12. COUNTY OR PARISH
Grand
13. STATE
Utah
14. API NO.
43-091-30389
15. ELEVATIONS (SHOW DF, KDB, AND WD)
4709' - GR

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

WIH OE to 2412. Pumped in 8.8# mud. Spotted 50 sx Class G cement plug 2331-2149'. Spotted 50 sx Class G cement plug 1677-1495'; 10 sx at surface. Cut bradenhead & welded plate in place. Restoration of surface will be reported on a subsequent report.

APPROVED BY THE DIVISION OF
OIL, GAS, AND MINING

DATE: Oct. 25, 1977

BY: P. L. Ansell

Subsurface Safety Valve: Manu. and Type

Set @ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Virginia Howard TITLE Authorized Agent DATE 10/19/77

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

✓ 2cc: State of Utah Dept. of Nat. Resources

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input checked="" type="checkbox"/> Other _____		5. LEASE DESIGNATION AND SERIAL NO. U-11244	
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. LESVR. <input type="checkbox"/> Other _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Mobil Oil Corporation		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR 3 Greenway Plaza East, Suite 800, Houston, Texas 77046		8. FARM OR LEASE NAME McCormick Federal C	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1120' FNL & 1895' FEL, Sec. 11, T21S, R22E At top prod. interval reported below At total depth Same as surface.		9. WELL NO. 2	
14. PERMIT NO.		DATE ISSUED 9/21/77	
15. DATE SPUDDED 9/27/77		16. DATE T.D. REACHED 10/7/77	
17. DATE COMPL. (Ready to prod.) 10/9/77 (P&A)		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* KB 4723'; GR 4707'	
19. ELEV. CASINGHEAD		10. FIELD AND POOL, OR WILDCAT Wildcat	
20. TOTAL DEPTH, MD & TVD 2412'		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 11, T21S, 22E, Salt Lake Meridian	
21. PLUG, BACK T.D., MD & TVD -		12. COUNTY OR PARISH Grand	
22. IF MULTIPLE COMPL., HOW MANY* -		13. STATE Utah	
23. INTERVALS DRILLED BY →		ROTARY TOOLS X	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 1608 - 1660', Buckhorn; 2150 - 2207', Summerville; 2340 - 62', Entrada (All dry)		25. WAS DIRECTIONAL SURVEY-MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN GR - Sonic, CNL Density, BHC - Density		27. WAS WELL CORED No	
28. CASING RECORD (Report all strings set in well)			
CASING SIZE 8 5/8"	WEIGHT, LB./FT. 24#	DEPTH SET (MD) 1550'	HOLE SIZE 12 1/4"
CEMENTING RECORD 350xG+4% gel; 450xG+4% gel + 2% CaCl; 100xG+2% CaCl		AMOUNT PULLED	
29. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
30. TUBING RECORD			
SIZE	DEPTH SET (MD)		PACKER SET (MD)
31. PERFORATION RECORD (Interval, size and number) None			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
33.* PRODUCTION			
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	
DATE OF TEST		WELL STATUS (Producing or shut-in) P&A	
HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.
GAS—MCF.	WATER—BBL.	GAS-OIL RATIO	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.
GAS—MCF.		WATER—BBL.	
OIL GRAVITY-API (CORR.)		34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)	
TEST WITNESSED BY		35. LIST OF ATTACHMENTS Daily Drilling Report Summary, Elec. Logs	
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			
SIGNED <u>Virginia Howard</u>		TITLE <u>Authorized Agent</u>	
DATE <u>10/19/77</u>			

*(See Instructions and Spaces for Additional Data on Reverse Side)

✓ 1 copy of 9-330 + attachments to State of Utah

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
			Daily Drlg Report Summary Attached.	Dakota	1591'	
				Buckhorn	1650'	
				Morrison	1705'	
				Salt Wash	2085'	
				Summerville	2137'	
				Entrada	2335'	

10/5/77

(8) 1907 drlg sd & sh, 7-7/8 hole, 8.9-39-28.
NND, DST #1 cont SI 1 hr, open 1 hr w/ fair
blow, no gas to surf, SI 2 hrs, HH in & out 713,
1 BHP 675, 1 BHFP 113, FBHFP 170, 2 hr FBHSIP
675, BHT 102, rec 30' drlg mud & 300' wtr cut
mud, NS oil or gas.
COST \$72 M.

10/6/77

(9) 2207 ND, trip for DST #2, Summerville
2150-2207, sh & lm, 7-7/8 hole 8.9-38-20.
Bit #3 Smith F2 (657/27-3/4 hrs).
COST \$75 M.

10/7/77

(10) 2362 ND, trip for DST #3, Entrada 2340-62,
sh & sd, 7-7/8 hole, NND, 8.9-41-14.
DST #2: 2150-2207, 1" BHC x 1/2" @ surf, tool
open 10 min w/ fair blow, SI 1 hr, open 1 hr
w/ good blow, SI 2 hrs, HH in & out 998,
ISIBHP 900, 10 min BHFP 4-85, 1 hr BHFP 88-281,
2 hr SIBHP 855, rec 80' drlg mud, 840' wtr cut
mud, NS oil or gas.
COST \$81 M.

10/8/77

(11) 2412 TD logging sd & sh, 7-7/8 hole, 2-1/4"
@ 2333. 8.8-37-14.
DST #3 2340-62 tool open 10 min wk blow, SI 1 hr
open 1 hr w/weak blow, SI 2 hrs 1" BHC 1/8" ck on
surface, POH rec 45' drlg mud no show, HH in and
out 1119, 1 hr BHFP 5 psi, 1 BHSIP 1038, 2 hr
BHSIP 1029, rec 2500 CC's wtr in sampler, no show.
COST: \$86M

10/9/77

(12) 2412 TD, P&A rigging down.
Schl ran CNL Density BHC-Sonic, GIH OE to 2412,
circ woo until 5 PM 10/8/77, Dowell spot 50 sxs
G 2331-2149 & 50 sxs G 1677-1495, 10 sxs in surf.
COST: \$97M

10/10/77

(13) 2412 TD.
Rel Colorado Well Serv 9 AM, 10/9/77. Well P&A.
FINAL REPORT.
COST: \$100M

9/30/77

(3) 937 drlg sh, 12-1/4" hole, 1-3/4" @ 844.
9.2-60-7.5.

Bit #1 OSCIJ (937'/38 hrs), Bit #2 Reed Y13J
in @ 937'.

COST: \$41M

10/1/77

(4) 1421 drlg sh, 12-1/4" hole, 2" @ 1125.
9.2-68-7.6.

Bit #2 Reey Y13J in @ 937 (484'/23-1/4 hrs).

COST: \$45M

10/2/77

(5) 1550 not drlg lm & sh, WOC 8-5/8 csg, 3" @ 1525. TD 12-1/4 hole @ 3:00 PM 10/1/77, circ 1 hr POH, Schj ran GR-Sonic log & stopped @ 950, ran 39 jts 8-5/8" 24# H-40 ST&C csg, Dowell cmt csg on btm @ 1550 w/350 sx Class G w/4% gel + 450 sx Class G w/4% gel + 2% CaCl + 100 sx Class G w/2% CaCl, PD 4:00 AM 10/2/77, cmt circ 125 sx.
COST: \$45M

10/3/77

(6) 1568 not drlg sh, 7-7/8 hole, NND.
8.5-34-NC.

Trip for plugged bit, WOC & nipple up 16 addl hrs, test BOP & csg to 1000 for 30 min OK, Bit #3 Smith F2 in @ 1550 (18'/1/2 hr).

COST: \$52M

10/4/77

(7) 1670 ND, DST #1, sd & sh, 7-7/8 hole, 3" @ 1670.
8.6-41-38.

POH w/plugged bit, GIH & drill to 1670, circ 8 hrs, wait on test tools, set pkr @ 1545 Buckhorn Form @ 1608-1660 1" BHC & 1/2" @ surf, tool open @ 5:15 AM 10/3/77 for 10 min w/fair blow, no gas to surf, SI for initial build up.

COST: \$59M

McCormick Federal C-2[#]

9/28/77

(1) 326 drlg sh, 12-1/4" hole, 1/4° @ 70,
262. 8.5-55-NC.

Spud 6:30 PM, 9/27/77 Bit #1 OSC 1J (326'/12 hrs).

COST: \$19M

9/29/77

(2) 662' drlg sh, 12-1/4 hole, 1-3/4° @ 444
& 1-3/4° @ 644. 9.1-60-7.4.

Wait on new kelly 7-1/2 hrs, Bit #1 OSC 1J
(662'/25-3/4 hrs).

COST: \$25M

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE _____
LEASE NUMBER U-11244
UNIT _____

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Grand Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of September, 1977,

Agent's address 3 Greenway Plaza East, Suite 800, Company Mobil Oil Corporation
Houston, Texas 77046

Phone 713/626-8800 Signed Virginia Howard
Agent's title Authorized Agent

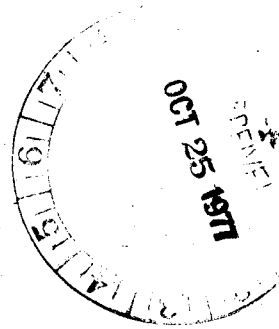
SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DATE PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
Sec. 11 NW 1/4 of NW 1/4	21S	22E	2	-	McCormick	Federal "C"				9/30/77: 937', drilling shale, 12 1/4" hole, 1 3/4" @ 844'. Mud 9.2-60-7.5 Spud 6:30 pm, 9/27/77.

NOTE.—There were No runs or sales of oil; No M cu. ft. of gas sold;
No runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYLAND OFFICE _____
LEASE NUMBER U-11244
UNIT _____LESSEE'S MONTHLY REPORT OF OPERATIONS PState Utah County Grand Field WildcatThe following is a correct report of operations and production (including drilling and producing wells) for the month of October, 1977,Agent's address 3 Greenway Plaza East, Suite 800, Houston, Texas 77046 Company Mobil Oil CorporationSigned Virginia Howard Agent's title Authorized AgentPhone 713/626-8800

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
Sec. 11 NW 1/4 of NW 1/4	21S	22E	2	-	McCormick Federal	"C" -				10/9/77: Well P&A.
10/2/77:					TD 1550', ran GR - Sonic log; tool stopped @ 950' H-40 ST&C Csg., cmt'd w/900 sx Cl. G cmt. PD 4 am,					Ran 39 jts 8-5/8" 24# 10/2/77. Circ. 125 sx.
10/4/77:					TD 1670, set pkr @ 1670' for DST #1 on Buckhorn @ 1608 - 1660', NS oil or gas.					
10/6/77:					TD 2207, DST #2 on Summerville 2150-2207'. NS oil or gas.					
10/8/77:					TD 2362, DST #3 on Entrada 2340-62'. NS oil or gas.					
10/9/77:					TD 2412', ran CNL Density, BHC - Collar logs. Set 50 sk plugs 2331-2149 & 1677-1495, 10 sx in surface. Rig released 9 am, 10/9/77.					

NOTE.—There were No runs or sales of oil; No M cu. ft. of gas sold;
No runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ gas ☒ other ☐
2. NAME OF OPERATOR
Mobil Oil Corporation
3. ADDRESS OF OPERATOR 77046
3 Greenway Plaza East, Suite 800, Houston, TX
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1120' FNL & 1895' FEL of Sec. 11
AT TOP PROD. INTERVAL: }
AT TOTAL DEPTH: } Same as surface
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

- TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) ☐

SUBSEQUENT REPORT OF:

- ☐
☐
☐
☐
☐
☐
☐
☒

5. LEASE
U-11244
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
McCormick Federal C
9. WELL NO.
2
10. FIELD OR WILDCAT NAME
Wildcat
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Salt Lake Meridian
Sec. 11, T21S, R22E,
12. COUNTY OR PARISH
Grand
13. STATE
Utah
14. API NO.
43-091-30389
15. ELEVATIONS (SHOW DF, KDB, AND WD)
4709' - GR

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

WIH OE to 2412. Pumped in 8.8# mud. Spotted 50 sx Class G cement plug 2331-2149'. Spotted 50 sx Class G cement plug 1677-1495'; 10 sx at surface. Cut bradenhead & welded plate in place. Restoration of surface will be reported on a subsequent report.

NOTE: Approved for the record only - this work was performed w/o prior approval by G.S. [Signature]

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Virginia Howard TITLE Authorized Agent DATE 10/19/77

(This space for Federal or State office use)

APPROVED BY [Signature] TITLE FOR E. W. GUYNN DATE MAY 26 1981
CONDITIONS OF APPROVAL, IF ANY: DISTRICT ENGINEER

2cc: State of Utah Dept. of Nat. Resources

O.P.R.